

## Miniature Remote Control System

### ABSTRACT OF THE DISCLOSURE

A *Miniature Remote Control System* (10) that overcomes the problems encountered by previous remote control devices is disclosed. The present invention uses a remote emitter (12) which integrates a radio transmitter circuit (60) in a small housing (34) that plugs into an existing lighter receptacle (28) in a vehicle (V). When pushed down, the remote emitter (12) transmits a coded serial pulse train (16) to a  
5 remote receiver (14) up to 200 feet away. The pulse train (16) has a unique code (20) (one of 19,683) on a 380 MHz carrier frequency. The remote receiver (14) processes the pulse train (16), and extracts the serial transmitter code (20). The transmitter code (20) is then compared to the preset receiver code (22), and, if a match is found, a relay (104) is triggered. When activated, the relay (104) can be used to operate external  
10 devices (ED), including garage doors (GD), security gates (SG), burglar alarms (SA), exterior lights (EL) or interior lights (IL).